

How to change air filter on **BMW E46 convertible** – replacement guide

VIDEO TUTORIAL

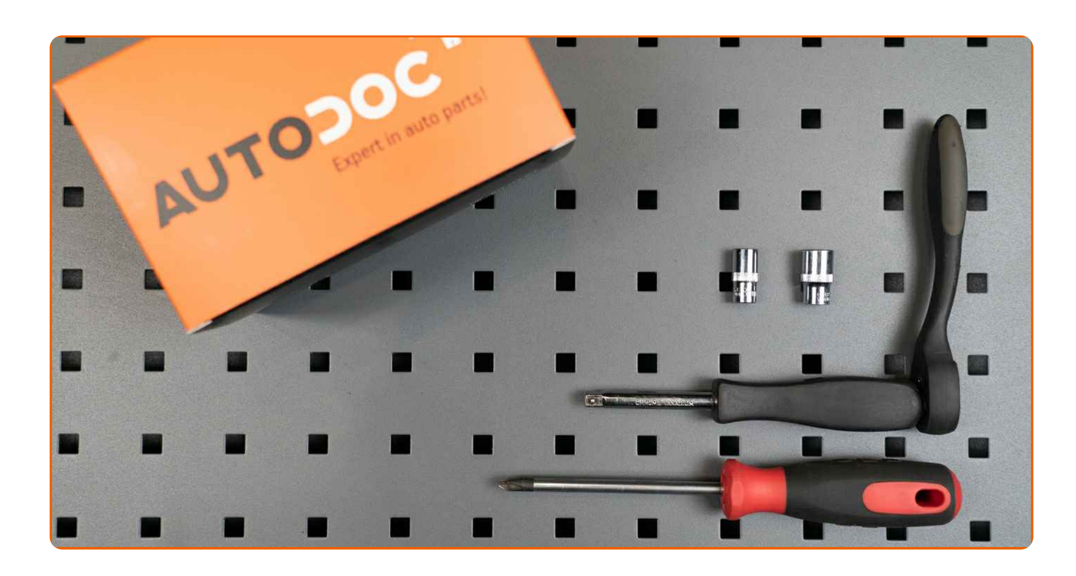


Important!

This replacement procedure can be used for:
BMW 3 Compact (E46) 316ti 1.8, BMW 3 Compact (E46) 318ti 2.0, BMW 3 Saloon (E46) 318i 2.0, BMW 3 Coupe (E46) 318Ci 2.0, BMW 3 Saloon (E46) 316i 1.8, BMW 3 Touring (E46) 318i 2.0, BMW 3 Convertible (E46) 318Ci 2.0, BMW 3 Touring (E46) 316i 1.8, BMW 3 Saloon (E46) 316i 1.6, BMW 3 Coupe (E46) 316Ci 1.6, BMW 3 Compact (E46) 316ti 1.6, BMW 3 Compact (E46) 318Ti 2.0

The steps may slightly vary depending on the car design.

REPLACEMENT: AIR FILTER – BMW E46 CONVERTIBLE. TOOLS YOU NEED:



- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Phillips Screwdriver
- Fender cover

BUY TOOLS

Replacement: air filter – BMW E46 convertible. AUTODOC experts recommend:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Please note: all work on the car – BMW E46 convertible – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.



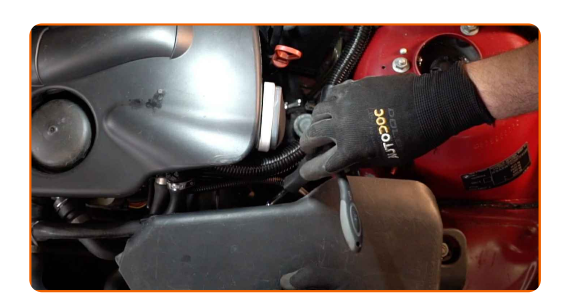
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



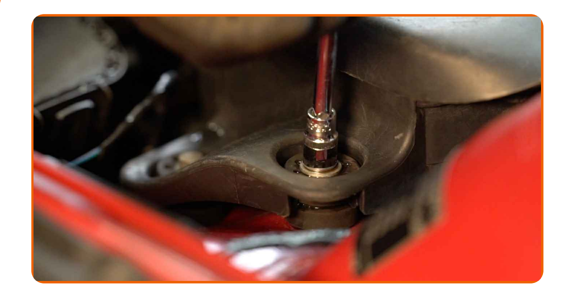
3 Remove the fasteners of the air duct housing. Detach the air duct housing from the air filter housing.



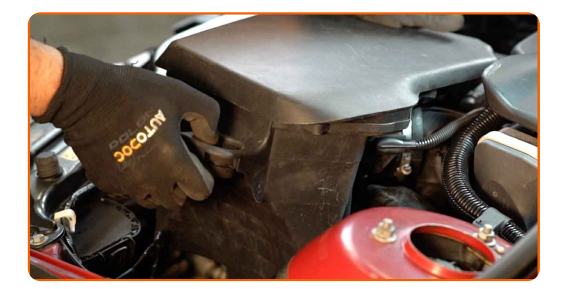
4 Loosen the fastening clamp connecting the air duct to the air filter housing. Remove the air intake hose. Use a drive socket #8.



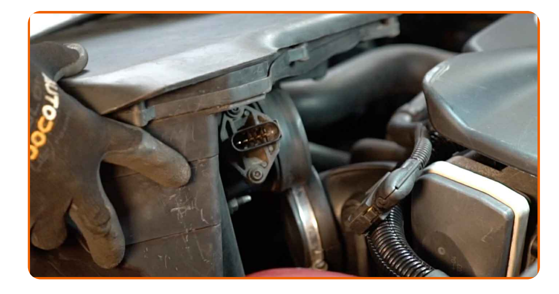
5 Unscrew the filter housing fastening bolts. Use a drive socket #10.



6 Remove the air filter housing.



7 Unplug the mass air flow sensor connector.



8 Undo the fastening screws of the air filter cover. Use a Phillips screwdriver.



9 Take off the filter lid.



10 Unscrew the fastener of the mass air flow sensor. Remove the part. Use a drive socket #10. Use a ratchet wrench.



11 Remove the filter element from the filter housing.



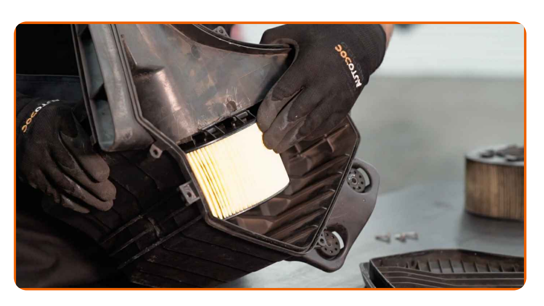
12 Clean the air filter cover and housing.



Replacement: air filter – BMW E46 convertible. Professionals recommend:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.

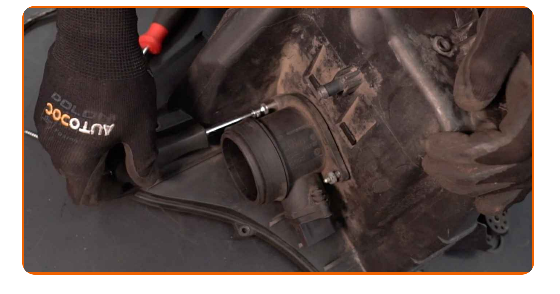
13 Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



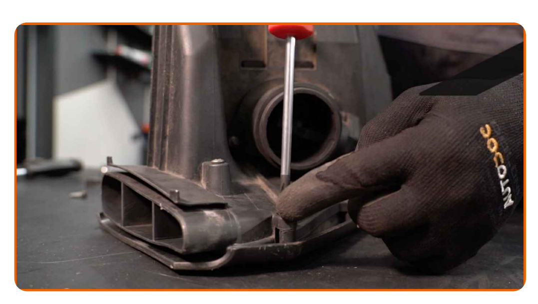
AUTODOC recommends:

- Replacement: air filter – BMW E46 convertible. Be sure to position the filtering element correctly. Avoid misalignment.
- Take care to only use quality filters.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

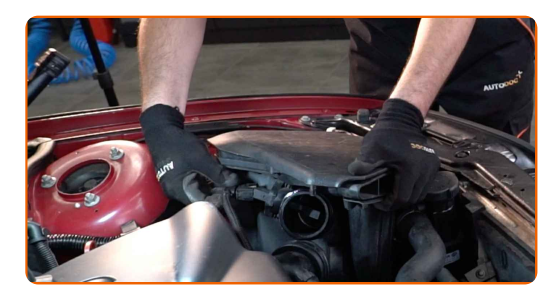
14 Install the mass air flow sensor. Screw the fastener of the part. Use a drive socket #10. Use a ratchet wrench.



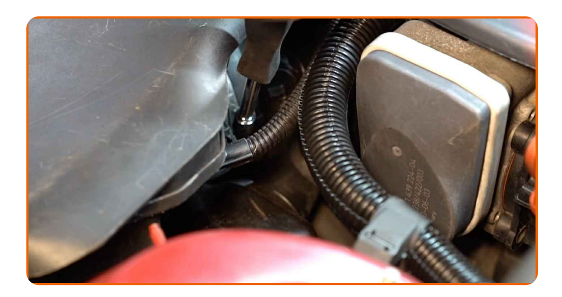
15 Screw in the fastening screws of the air filter cover. Use a Phillips screwdriver.



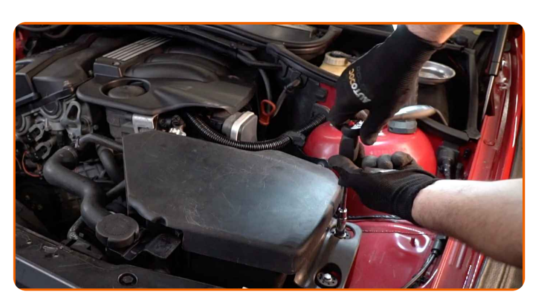
16 Reinstall the air filter housing. Plug in the mass air flow sensor conntector.



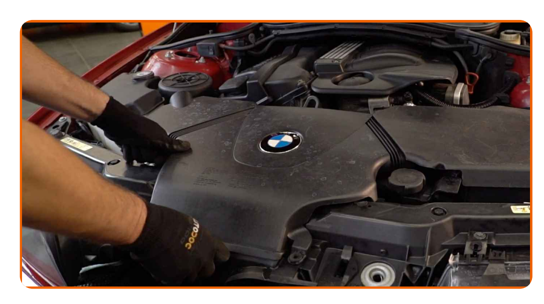
17 Secure the air intake hose. Screw the fastening clamp connecting the air duct to the air filter housing. Use a drive socket #8.



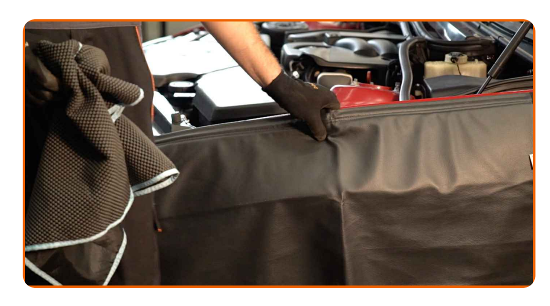
18 Screw the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.



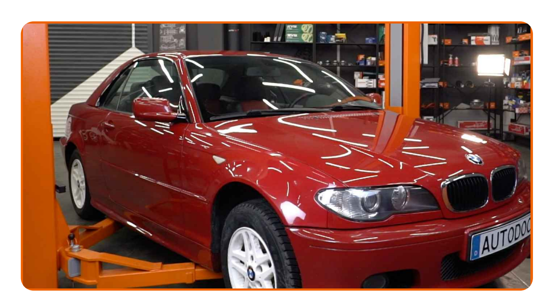
19 Install the air duct housing. Install the air duct housing fasteners.



20 Remove the fender protection cover.



21 Close the hood.



WELL DONE!







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